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NOTICE OF ALLOWANCE AND FEE(S) DUE

45209

INTEL/BSTZ

7590

1279 OAKMEAD PARKWAY

SUNNYVALE, CA 94085-4040

08/05/2010

BLAKELY SOKOLOFF TAYLOR & ZAFMAN LLP

EXAMINER CHEW, BRIAN ART UNIT PAPER NUMBER

2195

DATE MAILED: 08/05/2010

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/534.191	03/24/2000	Chan W. Lee	042390.P4740	2008

TITLE OF INVENTION: LRU CACHE REPLACEMENT FOR A PARTITIONED SET ASSOCIATIVE CACHE

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1510	\$0	\$0	\$1510	11/05/2010

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. <u>PROSECUTION ON THE MERITS IS CLOSED</u>. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current **SMALL ENTITY status:**

A. If the status is the same, pay the TOTAL FEE(S) DUE shown

B. If the status above is to be removed, check box 5b on Part B -Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE

Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

or <u>Fax</u> (571)-273-2885

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where ar in m

appropriate. All further indicated unless correct maintenance fee notification	correspondence including ded below or directed other trions.	ng the Patent, advance on herwise in Block 1, by (a		_		nt correspondence address as parate "FEE ADDRESS" for	
CURRENT CORRESPOND	ENCE ADDRESS (Note: Use Bi	lock 1 for any change of address)	Fe	ee(s) Transmittal. The opers. Each addition	uis certificate cannot be used	for domestic mailings of the for any other accompanying nent or formal drawing, must	
45209	7590 08/05	5/2010			rtificate of Mailing or Tra		
INTEL/BSTZ BLAKELY SOKOLOFF TAYLOR & ZAFMAN LLP 1279 OAKMEAD PARKWAY			I Si ac tr	hereby certify that that the lates Postal Service of the Mai ansmitted to the USF	his Fee(s) Transmittal is bei with sufficient postage for f il Stop ISSUE FEE addres PTO (571) 273-2885, on the	ing deposited with the United irst class mail in an envelope as above, or being facsimile date indicated below.	
SUNNYVALE,	CA 94085-4040		Г			(Depositor's name)	
			F			(Signature)	
						(Date)	
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09/534,191	03/24/2000	•	Chan W. Lee		042390.P4740	2008	
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nonprovisional	NO	\$1510	\$0	\$0	\$1510	11/05/2010	
EXAM	MINER	ART UNIT	CLASS-SUBCLASS				
CHEW,	BRIAN	2195	718-105000	_			
1. Change of correspond CFR 1.363).	ence address or indicatio	n of "Fee Address" (37	2. For printing on the				
	oondence address (or Cha B/122) attached.	ange of Correspondence	(1) the names of up to 3 registered patent attorneys or agents OR, alternatively, (2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to				
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PTO/SB/47; Rev 03-0 Number is required.	02 or more recent) attach	ned. Use of a Customer	2 registered patent attorneys or agents. If no name is listed, no name will be printed.				
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PLEASE NOTE: Un	less an assignee is ident	ified below, no assignee	data will appear on the	patent. If an assign	nee is identified below, the	document has been filed for	
(A) NAME OF ASSI	•	pletion of this form is NO	(B) RESIDENCE: (CI	· ·	COUNTRY)		
(11) 111 111 01 11001	01.122		(B) RESIDENCE: (CI				
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Please check the appropri	riate assignee category or	categories (will not be pr	rinted on the patent):	☐ Individual ☐ C	Corporation or other private g	group entity Government	
4a. The following fee(s)	are submitted:	41			ny previously paid issue fe	e shown above)	
Issue Fee	No small entity discount p	:	☐ A check is enclosed. ☐ Payment by credit card. Form PTO-2038 is attached.				
	# of Copies		The Director is here	by authorized to cha	rge the required fee(s) any	deficiency, or credit any	
			overpayment, to De	posit Account Numb	per (enclose	an extra copy of this form).	
5. Change in Entity Sta	i tus (from status indicate ns SMALL ENTITY statu	/	☐ b. Applicant is no le	onger claiming SMA	LL ENTITY status. See 37	CFR 1 27(g)(2)	
NOTE: The Issue Fee an	nd Publication Fee (if rea	uired) will not be accepte	d from anyone other than			the assignee or other party in	
interest as shown by the	records of the United Sta	ites Patent and Trademark	Office.				
Authorized Signature				Date			
Typed or printed name				Registration 1	No		
This collection of inform	nation is required by 37 C	CFR 1.311. The information	on is required to obtain o	r retain a benefit by	the public which is to file (a	and by the USPTO to process)	
an application. Confiden submitting the complete this form and/or suggest Box 1450, Alexandria, V Alexandria, Virginia 223	itiality is governed by 35 d application form to the ions for reducing this bu. Virginia 22313-1450. DC	U.S.C. 122 and 37 CFR USPTO. Time will vary rden, should be sent to the NOT SEND FEES OR	1.14. This collection is of depending upon the increase Chief Information Off COMPLETED FORMS	estimated to take 12 lividual case. Any c icer, U.S. Patent and TO THIS ADDRES	minutes to complete, include omments on the amount of I Trademark Office, U.S. De S. SEND TO: Commissione	ling gathering, preparing, and time you require to complete epartment of Commerce, P.O. er for Patents, P.O. Box 1450,	

PTOL-85 (Rev. 08/07) Approved for use through 08/31/2010.

OMB 0651-0033

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09/534,191	03/24/2000	Chan W. Lee	042390.P4740	2008	
45209 75	590 08/05/2010		EXAMINER		
INTEL/BSTZ		CHEW, BRIAN			
BLAKELY SOKOLOFF TAYLOR & ZAFMAN LLP			ART UNIT	PAPER NUMBER	
1279 OAKMEAD SUNNYVALE, CA		2195 DATE MAILED: 08/05/201	0		

Determination of Patent Term Extension under 35 U.S.C. 154 (b)

(application filed after June 7, 1995 but prior to May 29, 2000)

The Patent Term Extension is 0 day(s). Any patent to issue from the above-identified application will include an indication of the 0 day extension on the front page.

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Extension is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

	Application No.	Applicant(s)				
	09/534,191	LEE ET AL.				
Notice of Allowability	Examiner	Art Unit				
	BRIAN CHEW	2195				
The MAILING DATE of this communication appe All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT R of the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED in or other appropriate communication is su	this application. If not included nication will be mailed in due cou	urse. THIS			
1. X This communication is responsive to RCE on 14 July 2010	<u>)</u> .					
2. X The allowed claim(s) is/are <u>1-2, 6-7, 9-11, 15-17, 19-20, 2</u> -	4-34, 36-40 and 42-48, now r	enumbered 1-35.				
3. ☐ Acknowledgment is made of a claim for foreign priority un a) ☐ All b) ☐ Some* c) ☐ None of the: 1. ☐ Certified copies of the priority documents have		r (f).				
2. ☐ Certified copies of the priority documents have		, No				
3. ☐ Copies of the certified copies of the priority do	• • •		a from the			
	cuments have been received	in this national stage application	i iioiii tile			
International Bureau (PCT Rule 17.2(a)). * Certified copies not received:						
Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONN THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.		a reply complying with the requi	rements			
4. A SUBSTITUTE OATH OR DECLARATION must be subm INFORMAL PATENT APPLICATION (PTO-152) which give			TCE OF			
5. CORRECTED DRAWINGS (as "replacement sheets") mus	st be submitted.					
(a) ☐ including changes required by the Notice of Draftspers		(PTO-948) attached				
1) hereto or 2) to Paper No./Mail Date	,					
(b) ☐ including changes required by the attached Examiner' Paper No./Mail Date	(b) 🔲 including changes required by the attached Examiner's Amendment / Comment or in the Office action of					
Identifying indicia such as the application number (see 37 CFR 1 each sheet. Replacement sheet(s) should be labeled as such in t			ck) of			
 DEPOSIT OF and/or INFORMATION about the depo attached Examiner's comment regarding REQUIREMENT 			e the			
Attachment(s)	5 D Nation of Inf	oursel Detent Application				
1. Notice of References Cited (PTO-892)		ormal Patent Application				
2. Notice of Draftperson's Patent Drawing Review (PTO-948)	6. ☐ Interview Su Paper No./N	/lail Date				
3. Information Disclosure Statements (PTO/SB/08),	7. 🛛 Examiner's A	Amendment/Comment				
Paper No./Mail Date <u>7/14/2010</u> 4. ☐ Examiner's Comment Regarding Requirement for Deposit	8. 🔲 Examiner's S	Statement of Reasons for Allowa	ınce			
of Biological Material	 9.					
/Li B. Zhen/						
Primary Examiner, Art Unit 2194						

DETAILED ACTION

1. 1-2, 6-7, 9-11, 15-17, 19-20, 24-34, 36-40 and 42-48 are allowed, now renumbered 1-35.

Continued Examination Under 37 CFR 1.114

2. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after allowance or after an Office action under *Ex Parte Quayle*, 25 USPQ 74, 453 O.G. 213 (Comm'r Pat. 1935). Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, prosecution in this application has been reopened pursuant to 37 CFR 1.114. Applicant's submission filed on 7/14/2010 has been entered.

Information Disclosure Statement

3. The information disclosure statement (IDS) submitted on 7/14/2010 is in compliance with the provisions of 37 CFR 1.97. Accordingly, the information disclosure statement is being considered by the examiner.

Conclusion

4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to BRIAN CHEW whose telephone number is (571)270-

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Art Unit: 2195

5571. The examiner can normally be reached on Monday-Thursday, 8:00AM-5:00PM

EST.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Meng-Ai An can be reached on (571)272-3756. The fax phone number for

the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the

Patent Application Information Retrieval (PAIR) system. Status information for

published applications may be obtained from either Private PAIR or Public PAIR.

Status information for unpublished applications is available through Private PAIR only.

For more information about the PAIR system, see http://pair-direct.uspto.gov. Should

you have questions on access to the Private PAIR system, contact the Electronic

Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a

USPTO Customer Service Representative or access to the automated information

system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/B. C./

Examiner, Art Unit 2195

/Li B. Zhen/

Primary Examiner, Art Unit 2194